# BCA Assignment Sample

Name: Saniya

Subject: Numerical Methods

Class: FYBCA

Roll No: 24

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## Assignment Topic: Solving Equations using Bisection Method

The Bisection Method is a numerical technique to find roots of a function. It repeatedly divides an interval in half and selects the subinterval in which the root lies.  
  
Steps:  
1. Choose two values a and b such that f(a) and f(b) have opposite signs.  
2. Calculate midpoint m = (a + b) / 2.  
3. Determine the sign of f(m).  
4. Repeat until the interval is sufficiently small.  
  
Example:  
For f(x) = x^3 - x - 2, a = 1, b = 2  
Root lies between a and b. Repeat the method to find the root.

Submitted by:

Saniya

FYBCA